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SPEYERIA CYBELE IN MISSISSIPPI ¹ ²

(ARGYNNINAE: ARGYNNIS)

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MATHER AND MATHER (1958) listed *Speyeria cybele cybele* (Fabricius) among the butterflies that were not then known to have been found in but were of probable occurrence in Mississippi. They noted that Lambremont (1954) had reported one male taken at Lafayette, La. on 2 October 1931, in the collection at Southwestern Louisiana Institute; that H. A. Freeman (1951) had reported it as usually rather scarce in Arkansas; and that Roeber had taken it in southwestern Tennessee. They noted that dos Passos and Grey (1947) had listed it for Tennessee, Illinois, Arkansas, and Oklahoma; but not for Mississippi or Louisiana.

In October 1960 in a butterfly collection displayed at the Mississippi State Fair by Miss Lynn Schabilion of Rolling Fork, Miss. there was a specimen of *S. cybele*. Upon investigation it was determined that this specimen had been collected in Arkansas. Through the courtesy of Dr. Gordon Gunter, Director, Gulf Coast Research Laboratory, Ocean Springs, Mississippi, we were put in touch with Dr. E. Avery Richmond of Moorestown, New Jersey, who was compiling data on the flora and fauna of Horn Island. This work has now been published (Richmond, 1962), and includes *Speyeria cybele cybele* (Fabricius). Dr. Richmond has informed me (in litt.) that his records indicate that this specimen was taken on 23 September 1944; they do not indicate the determiner of the specimen or the disposition of the specimen. Most of the determinations were made at the U. S. National Museum. In January 1962 a search was made of the collections

¹ In this note the name "*Speyeria cybele cybele* (Fabricius)" is used to conform with previous usage in current relevant literature (Mather and Mather 1958; Klots, 1951; Ehrlich and Ehrlich, 1961; and dos Passos, 1964). For a discussion of an alternative usage, see Hovanitz (1962). The butterfly with which this note is concerned has been given the common name "Great Spangled Fritillary."

² Editorial Note: In the *Journal of Research on the Lepidoptera*, name usage is the personal prerogative of the author, and is not an editorial matter. The editor prefers that authors use names of general significance, rather than of local preference. However, as is the practice in all entomological journals, when the name of a smaller taxonomic group is used in a title, a larger group of which the smaller is part, is shown in parenthesis for the orientation of the reader. This should aid bibliographers looking for various Argynnis.

there and it was established that no specimen of *S. cybele* from Mississippi could be found. It was thus concluded that while this constituted a probable occurrence it could not be regarded as a confirmed record.

On 10 June 1963 at Oxford, Lafayette Co., Miss., Mr. John L. Daniel took by hand, in the afternoon, a male *S. cybele* which is now before me. The specimen has a forewing of 40 mm. It was taken while feeding on flowers of cultivated marigolds.

On the basis of this record *Speyeria cybele cybele* (Fabricius) is added to the list of butterflies known to have been taken in the state of Mississippi. The range of this species, which has been given as "... to North Carolina and Georgia (mountains), Tennessee, Arkansas, and Oklahoma" (Klots, 1951) and as "... to North Carolina, Georgia, Arkansas, Oklahoma ..." (Ehrlich and Ehrlich, 1961), can now be given "... to Georgia, Tennessee, Mississippi, Louisiana, Oklahoma ..."

REFERENCES

- EHRLICH, PAUL R. AND ANNE H. EHRLICH 1961. *How to Know the Butterflies*. Wm. C. Brown Co., Dubuque, Iowa. 262 pp.
- FREEMAN, H. A. 1951. Southeast — Florida to Louisiana, north to Arkansas and Maryland (compiled by Ralph L. Chermock). *Lepid. News*. 5 : 101-102.
- HOVANITZ, WILLIAM 1962. Argynnis and Speyeria. *Jour. Res. Lepid.* 1 : 95-96.
- KLOTS, ALEXANDER B. 1951. *A Field Guide to the Butterflies*. Houghton Mifflin Co. Boston, 349 pp.
- LAMBREMONT, EDWARD N. 1954. The butterflies and skippers of Louisiana. *Tulane Stud. Zool.*, 1 : 125-164.
- MATHER, BRYANT AND KATHARINE MATHER 1958. The butterflies of Mississippi. *Tulane Stud. Zool.*, 6 : 63-109.
- DOS PASSOS, CYRIL F. AND L. P. GREY 1947. Systematic catalogue of *Speyeria* (Lepidoptera, Nymphalidae) with designations of types and fixation of type localities. *Amer. Mus. Novitates* No. 1370: 1-30.
- DOS PASSOS, CYRIL F. 1964. A Synonymic List of the Nearctic Rhopalocera. *Lepid. Soc. Memoir* No. 1, 145 pp.
- RICHMOND, E. AVERY 1962. The flora and fauna of Horn Island, Mississippi. *Gulf Research Reports*, 1 : 59-106.

Euphyes dukesi — Additional Record

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Following publication of the review of knowledge of this species, (Mather, 1963), Mr. H. A. Freeman wrote (in litt.) that he had recently found among his specimens a ♀ *E. dukesi* that had been collected by him at Hope Hill Farm, Faulkner Co., Arkansas on 29 June 1947. This locality, somewhat north of Little Rock in central Arkansas, represents a westward extension of the known range and adds an eighth state to the list of those from which it is now known.

REFERENCE

- MATHER, BRYANT. 1963. *Euphyes dukesi*. *J. Res. Lepid.* 2(2) : 161-169.